

MISSOURI CAREER REPORT CARD

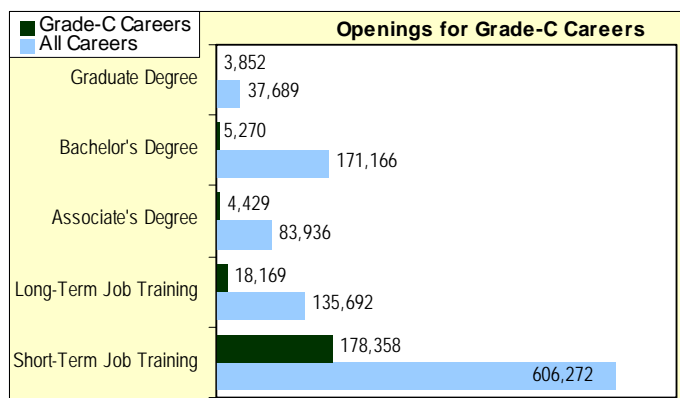
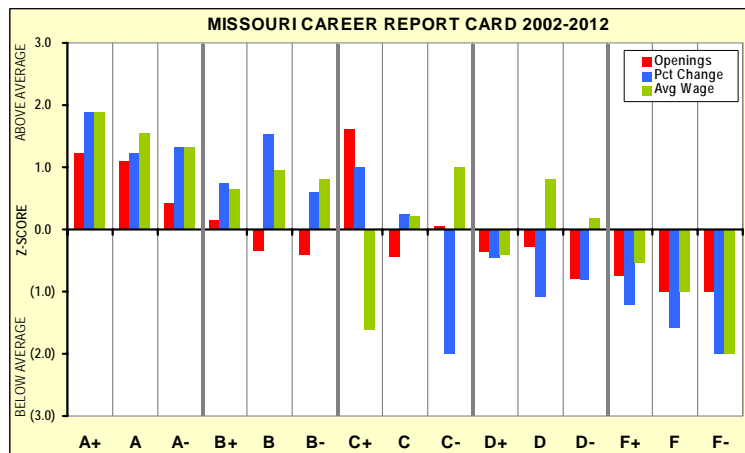
2002-2012 OCCUPATIONAL OUTLOOK



Missouri's Career Report Card assigns academic letter grades to occupations based on their economic outlook over the next decade – with *Grade-A* jobs having the best outlook and *Grade-F* jobs having the worst outlook. Grades were based on: (a) job openings, (b) percent growth, and (c) average wages.

Grade-C Careers Fast Facts

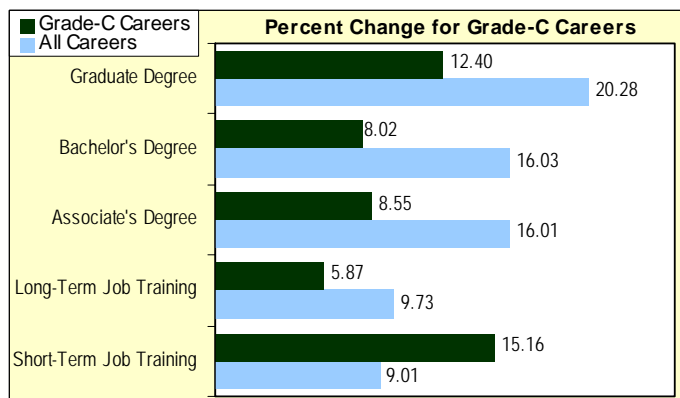
- Base employment of 448,576 in 2002 (15.6% of all employment statewide).
- Average annual wage of \$24,476 in 2002 (average wage statewide is \$33,327).
- 210,078 job openings between 2002-2012 (20.3% of all openings statewide).
- 13.3% percent growth between 2002-2012 (average growth statewide is 11.2%).



Most Grade-C Careers will require short-term on-the-job training.

Of all Grade-C career openings, 85% will require short-term on-the-job training and 9% long-term job training.

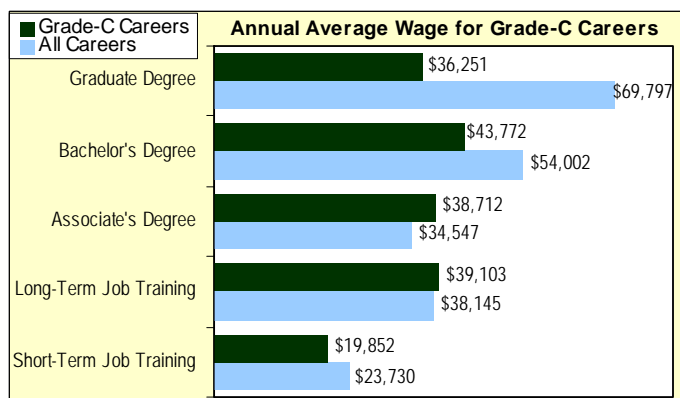
Very few will require higher education, with only 4% requiring a bachelor's or graduate degree and only 2% an associate's or vocational degree.



Most Grade-C Careers will grow slower than the state average for similar trained careers.

The fastest growing Grade-C careers are those requiring short-term job training or a graduate degree.

However, jobs requiring short-term training are the only Grade-C careers that are expected to grow faster than other jobs with similar training.



Most Grade-C Careers pay wages near or below the state average for similar trained careers.

Grade-C careers that pay the highest wages require a bachelor's degree, long-term on-the-job training, an associate's or vocational degree, or a graduate degree.

However, only Grade-C careers requiring a associate's degree pay higher than other jobs with the same degree.

Career Grade	SOC	Occupation	Job Openings	Percent Growth	Average Wage	Education and Experience Typically Required	Pct BA/BS or Higher
C+	35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	35,622	22.78	\$14,830	Short-term on-the-job training	5.28
C+	35-3031	Waiters and Waitresses	31,820	19.20	\$15,120	Short-term on-the-job training	12.54
C+	35-2021	Food Preparation Workers	6,723	16.67	\$16,380	Short-term on-the-job training	5.41
C+	25-9041	Teacher Assistants	6,318	21.45	\$16,540	Short-term on-the-job training	16.27
C+	39-9021	Personal and Home Care Aides	5,183	22.89	\$16,150	Short-term on-the-job training	8.22
C+	31-1011	Home Health Aides	3,544	22.65	\$17,010	Short-term on-the-job training	5.92
C+	35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	3,062	20.36	\$16,220	Short-term on-the-job training	19.63
C+	43-5052	Postal Service Mail Carriers	2,443	(0.26)	\$38,790	Short-term on-the-job training	7.84
C	41-2011	Cashiers	39,985	9.46	\$15,640	Short-term on-the-job training	8.29
C	35-3022	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	6,687	11.11	\$15,830	Short-term on-the-job training	7.88
C	35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	4,411	13.64	\$14,590	Short-term on-the-job training	7.03
C	53-7051	Industrial Truck and Tractor Operators	3,865	8.40	\$26,040	Short-term on-the-job training	3.33
C	33-9099	Protective Service Workers, All Other	3,525	9.94	\$21,560	Short-term on-the-job training	23.12
C	51-4041	Machinists	2,820	7.16	\$32,160	Long-term on-the-job training	3.70
C	51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	2,353	2.64	\$32,370	Moderate-term on-the-job training	13.37
C	47-2141	Painters, Construction and Maintenance	2,111	11.02	\$37,410	Moderate-term on-the-job training	5.93
C	21-2011	Clergy	2,055	14.10	\$35,100	First professional degree	77.82
C	43-5061	Production, Planning, and Expediting Clerks	1,947	11.66	\$35,150	Short-term on-the-job training	27.84
C	11-9051	Food Service Managers	1,818	10.87	\$36,550	Work experience in a related occupation	24.41
C	41-1012	First-Line Supervisors/Managers of Non-Retail Sales Workers	1,754	0.80	\$50,120	Work experience in a related occupation	36.37
C	35-1011	Chefs and Head Cooks	1,738	14.87	\$24,910	Work experience in a related occupation	14.33
C	43-4111	Interviewers, Except Eligibility and Loan	1,701	20.08	\$22,900	Short-term on-the-job training	19.60
C	49-3021	Automotive Body and Related Repairers	1,563	12.14	\$38,350	Long-term on-the-job training	4.47
C	43-5032	Dispatchers, Except Police, Fire, and Ambulance	1,509	10.33	\$33,810	Moderate-term on-the-job training	12.18
C	43-4161	Human Resources Assistants, Except Payroll and Timekeeping	1,329	11.25	\$30,300	Short-term on-the-job training	22.39
C	49-9098	Helpers--Installation, Maintenance, and Repair Workers	1,257	17.41	\$25,140	Short-term on-the-job training	0.87
C	43-4031	Court, Municipal, and License Clerks	ND	ND	ND	Short-term on-the-job training	14.01
C	25-4021	Librarians	1,180	8.03	\$37,170	Master's degree	76.47
C	41-9011	Demonstrators and Product Promoters	1,113	15.95	\$25,600	Moderate-term on-the-job training	35.22
C	27-1024	Graphic Designers	1,091	11.82	\$36,300	Bachelor's degree	53.08
C	53-1021	First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers, H	1,077	8.91	\$34,410	Work experience in a related occupation	13.51
C	49-9051	Electrical Power-Line Installers and Repairers	1,016	6.02	\$47,200	Long-term on-the-job training	4.28
C	25-4031	Library Technicians	934	16.23	\$22,290	Short-term on-the-job training	42.34
C	41-3011	Advertising Sales Agents	898	6.91	\$39,820	Moderate-term on-the-job training	50.78
C	47-3012	Helpers--Carpenters	819	15.54	\$24,460	Short-term on-the-job training	6.07
C	47-4051	Highway Maintenance Workers	818	15.28	\$24,330	Moderate-term on-the-job training	1.86
C	51-9121	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	806	10.11	\$29,680	Moderate-term on-the-job training	2.49
C	49-3042	Mobile Heavy Equipment Mechanics, Except Engines	782	10.50	\$36,280	Postsecondary vocational training	5.66
C	43-5031	Police, Fire, and Ambulance Dispatchers	759	15.81	\$22,760	Moderate-term on-the-job training	12.18
C	39-1021	First-Line Supervisors/Managers of Personal Service Workers	733	14.39	\$28,090	Work experience in a related occupation	14.78
C	51-4011	Computer-Controlled Machine Tool Operators, Metal and Plastic	665	10.47	\$29,520	Moderate-term on-the-job training	4.99
C	17-2011	Aerospace Engineers	ND	ND	ND	Bachelor's degree	81.75
C	43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	643	16.50	\$25,400	Short-term on-the-job training	13.00
C	53-3099	Motor Vehicle Operators, All Other	641	18.34	\$20,610	Short-term on-the-job training	10.24
C	51-9122	Painters, Transportation Equipment	629	12.46	\$36,810	Moderate-term on-the-job training	2.49

Career Grade	SOC	Occupation	Job Openings	Percent Growth	Average Wage	Education and Experience Typically Required	Pct BA/BS or Higher
C	49-9043	Maintenance Workers, Machinery	566	10.53	\$33,100	Short-term on-the-job training	2.16
C	19-4099	Life, Physical, and Social Science Technicians, All Other	542	14.53	\$34,400	Associate degree	45.68
C	49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	525	12.03	\$28,520	Moderate-term on-the-job training	5.11
C	13-2053	Insurance Underwriters	473	11.59	\$47,750	Bachelor's degree	52.97
C	47-2071	Paving, Surfacing, and Tamping Equipment Operators	453	18.26	\$32,090	Moderate-term on-the-job training	0.16
C	17-3099	Drafters, Engineering, and Mapping Technicians, All Other (OES Only)	443	9.48	\$39,720	Associate degree	23.53
C	27-2041	Music Directors and Composers	437	13.99	\$40,290	Bachelor's or higher degree, plus work experience	52.90
C	27-4011	Audio and Video Equipment Technicians	427	19.46	\$36,510	Long-term on-the-job training	36.43
C	49-9044	Millwrights	396	8.65	\$47,590	Long-term on-the-job training	0.50
C	51-9031	Cutters and Trimmers, Hand	ND	ND	ND	Short-term on-the-job training	1.87
C	31-9011	Massage Therapists	388	18.42	\$30,550	Postsecondary vocational training	35.31
C	47-2130	Insulation Workers	349	14.27	\$44,120	Moderate-term on-the-job training	3.38
C	21-1091	Health Educators	347	19.19	\$32,630	Master's degree	57.88
C	49-9062	Medical Equipment Repairers	326	11.15	\$46,200	Associate degree	14.97
C	17-3026	Industrial Engineering Technicians	313	11.99	\$40,360	Associate degree	16.67
C	17-1022	Surveyors	309	8.75	\$41,300	Bachelor's degree	74.56
C	13-2071	Loan Counselors	305	16.21	\$37,870	Bachelor's degree	50.28
C	17-3022	Civil Engineering Technicians	301	9.21	\$39,950	Associate degree	16.67
C	29-9010	Occupational Health and Safety Specialists and Technicians	294	12.59	\$45,100	Bachelor's degree	73.30
C	27-2012	Producers and Directors	291	8.84	\$39,260	Bachelor's or higher degree, plus work experience	73.27
C	47-2121	Glaziers	256	12.98	\$41,670	Long-term on-the-job training	4.77
C	45-1011	First-Line Supervisors/Managers of Farming, Fishing, and Forestry Workers	253	15.21	\$34,880	Work experience in a related occupation	10.38
C	49-3051	Motorboat Mechanics	239	14.74	\$28,970	Long-term on-the-job training	2.45
C	27-4012	Broadcast Technicians	232	15.21	\$28,130	Associate degree	36.43
C	17-3027	Mechanical Engineering Technicians	231	12.45	\$43,860	Associate degree	16.67
C	19-3051	Urban and Regional Planners	219	12.58	\$47,640	Master's degree	95.53
C	13-1021	Purchasing Agents and Buyers, Farm Products	212	11.37	\$41,920	Work experience in a related occupation	24.64
C	27-1021	Commercial and Industrial Designers	210	10.22	\$46,350	Bachelor's degree	53.08
C	33-9021	Private Detectives and Investigators	209	19.77	\$33,170	Work experience in a related occupation	45.76
C	51-8099	Plant and System Operators, All Other	196	8.74	\$46,320	Long-term on-the-job training	4.87
C	53-7021	Crane and Tower Operators	171	16.29	\$34,960	Moderate-term on-the-job training	1.65
C	51-4012	Numerical Tool and Process Control Programmers	154	13.73	\$39,380	Long-term on-the-job training	4.99
C	27-4014	Sound Engineering Technicians	139	16.08	\$37,960	Postsecondary vocational training	33.32
C	27-4099	Media and Communication Equipment Workers, All Other	131	12.34	\$38,630	Moderate-term on-the-job training	49.09
C	17-1021	Cartographers and Photogrammetrists	125	13.79	\$45,560	Bachelor's degree	74.56
C	47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	ND	ND	ND	Moderate-term on-the-job training	3.95
C	17-3024	Electro-Mechanical Technicians	113	12.43	\$44,130	Associate degree	16.67
C	27-3091	Interpreters and Translators	103	14.92	\$38,170	Long-term on-the-job training	52.75
C	33-2021	Fire Inspectors and Investigators	96	12.88	\$47,620	Work experience in a related occupation	16.37
C	49-9011	Mechanical Door Repairers	93	15.15	\$35,910	Moderate-term on-the-job training	10.81
C	13-1011	Agents and Business Managers of Artists, Performers, and Athletes	92	18.03	\$35,930	Bachelor's or higher degree, plus work experience	65.58
C	27-4032	Film and Video Editors	87	12.94	\$40,750	Bachelor's degree	50.11
C	13-1032	Insurance Appraisers, Auto Damage	70	11.81	\$44,950	Long-term on-the-job training	43.72
C	51-9197	Tire Builders	ND	ND	ND	Moderate-term on-the-job training	5.98
C	49-9092	Commercial Divers	ND	ND	ND	Moderate-term on-the-job training	8.57

Career Grade	SOC	Occupation	Job Openings	Percent Growth	Average Wage	Education and Experience Typically Required	Pct BA/BS or Higher
C	19-2042	Geoscientists, Except Hydrologists and Geographers	51	10.50	\$44,100	Master's degree	92.25
C	47-5051	Rock Splitters, Quarry	51	20.00	\$37,160	Moderate-term on-the-job training	3.25
C	47-2022	Stonemasons	40	11.18	\$38,720	Long-term on-the-job training	3.48
C	53-5031	Ship Engineers	ND	ND	ND	Postsecondary vocational training	13.88
C	33-3031	Fish and Game Wardens	ND	ND	ND	Long-term on-the-job training	24.00
C	53-6041	Traffic Technicians	ND	ND	ND	Short-term on-the-job training	8.40
C	17-1099	Architects, Surveyors, and Cartographers, All Other (OES Only)	17	10.26	\$42,300	Bachelor's degree	74.56
C	33-3052	Transit and Railroad Police	8	11.54	\$44,490	Long-term on-the-job training	26.85
C	33-2022	Forest Fire Inspectors and Prevention Specialists	ND	ND	ND	Work experience in a related occupation	16.37
C-	49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	1,219	(3.84)	\$42,360	Long-term on-the-job training	11.00
C-	27-3041	Editors	877	0.31	\$46,360	Bachelor's degree	81.28
C-	13-1022	Wholesale and Retail Buyers, Except Farm Products	668	(0.59)	\$42,420	Work experience in a related occupation	35.00
C-	49-3011	Aircraft Mechanics and Service Technicians	594	(8.03)	\$43,160	Postsecondary vocational training	11.23
C-	51-4111	Tool and Die Makers	580	(4.28)	\$41,450	Long-term on-the-job training	5.20
C-	53-4011	Locomotive Engineers	ND	ND	ND	Work experience in a related occupation	5.94

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